

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 05149769
PUBLICATION DATE : 15-06-93

APPLICATION DATE : 29-11-91
APPLICATION NUMBER : 03316747

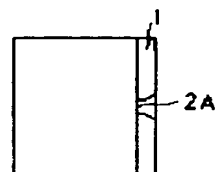
APPLICANT : CANON INC;

INVENTOR : MORIYAMA JIRO;

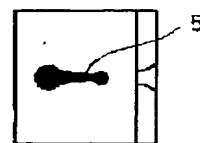
INT.CL. : G01F 22/00 B41J 2/125 B41J 2/115
B41J 29/00

TITLE : METHOD AND DEVICE FOR
MEASURING JETTED VOLUME OF INK
FROM INK-JET RECORDING HEAD

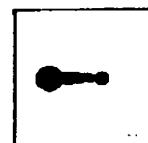
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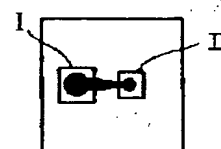
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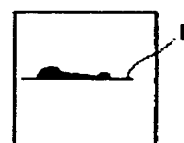
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(d)



(e)



ABSTRACT : PURPOSE: To accurately measure the volume of ink jetted from an ink-jet recording head drop by drop.

CONSTITUTION: By taking the flying picture of a drop 5 of ink jetted from a recording head 1 with a video camera, etc., with the picture being optically enlarged in the direction perpendicular to the flying direction of the drop 5, the picture of the drop 5 is recorded in a memory. Then, based on the recorded two-dimensional picture of the drop 5, the volume of the drop 5 is calculated by means of a picture processing section and arithmetic section by paying attention to that the drop 5 is a rotating body against the central axis L of the drop 5 in its flying direction.

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